# Megapixel Wireless N Day / Night PTZ Internet Camera

## TV-IP672WI (V1.0R)

The Megapixel Wireless N Day / Night PTZ Internet Camera, model TV-IP672WI, provides day and night security over a large area. Pan the camera side-to-side a remarkable 340° and tilt up-and-down 115° from any Internet connection. Record indoor video in complete darkness for distances of up to 7.5 meters. Wireless n technology provides unsurpassed wireless coverage and improved streaming video quality. Add this camera to your wireless network at the touch of a button with Wi-Fi Protected Setup (WPS).

Record 1280 x 800 Megapixel (WXGA) video at up to 30 frames per second (fps). Manage up to four video profiles to record HD video while streaming low resolution video to a compatible smart phone at the same time. Manage up to 32 TRENDnet cameras with the included complimentary camera management software. Advanced features include adjustable motion detection recording areas, email alerts, pan / tilt, Auto-Patrol, scheduled recording sessions, H.264 / MPEG-4 / MJPEG image compression, date-and-time overlays, a Micro-SD card slot for backup storage, two-way audio (speakers not included), an adjustable lens, and four times digital zoom. A wall / ceiling mounting kit is included and the camera's off white housing blends into most environments.

## PRODUCT OVERVIEW

- See more with Megapixel resolution up to 1280 x 800 (WXGA)
- Night vision up to 7.5 meters indoors*
- Pan 340° side-to-side and tilt 115° up-and-down
- High speed wireless n connection
- Program motion detection recording, recording schedules, email alerts and more with complimentary software
- 2-way audio

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## FEATURES

- Wi-Fi compliant with IEEE 802.11n standard
- Backwards compatible with IEEE 802.11g and IEEE 802.11b devices
- One touch WPS connection button
- 1 x 10/100 Mbps Auto-MDIX RJ-45 port (for optional wired connection)
- Power and activity LED indicators (can be disabled)
- Night vision up to 7.5 meters indoors*
- 2-way audio: built-in microphone and audio out port for third party speakers
- 4x digital zoom
- Micro SD card slot**
- Manual focus lens
- Stream and record up to 4 different video profiles simultaneously
- Pan left or right 170° for a total of 340°
- Tilt the camera up 90° and down 25° for a total of 115°
- Stream Internet camera video to a 3GPP compatible wireless device
- Dynamic DNS support
- Supports up to 1280 x 800 pixel resolution at up to 30 frames per second
- Image controls: brightness, contrast, auto gain control, noise reduction, saturation, sharpness, back light control, hue, frequency, flip image vertically, mirror image horizontally, and black and white mode
- Event Trigger: motion detection or digital input signal
- Event Action: send real-time snapshots (up to 3 before and 3 after the event) or video recording (up to 5 seconds before and 10 seconds after the event) to FTP or email
- Samba client support to record to a NAS drive
- Supports TCP/IP networking, email, HTTP, Samba and other Internet protocols
- System controls:
  - Define up to 20 user login accounts
  - Set the date and time or synchronize with an NTP server
- Supports wireless encryption up to WPA2-PSK
- Quick Universal Plug and Play (UPnP) installation
- Mounting base and mounting hardware included
- 3-year limited warranty

* This camera is designed for indoor use. For outdoor surveillance applications we recommend TRENDnet outdoor cameras

** Micro SD card sold separately

# SECURVIEW PRO CAMERA SOFTWARE FEATURES

- Manage up to 32 cameras
- Compatible with Windows and Microsoft Server 2008
- Multiple language support
- Camera Viewing
  - Preset viewing modes
  - Program custom viewing modes
  - Full screen view
  - Drag and drop live feeds to a new location
  - Program camera cycle viewing sequence
  - Motion detection brings video forward
  - Side, top, and bottom tool bars can be hidden
  - Web based access from smart phones and tablets
- Recording options
  - Program weekly recording schedules
  - Motion detection recording
    - Define motion detection areas of any shape
    - Define motion detection sensitivity
  - Event trigger recording
  - Date and time overlay
  - Mask overlay to conceal sensitive areas
  - Save a single video stream to multiple locations simultaneously
  - Define recording quotas by recording time or space allocation
  - Disk clean feature condenses and optimizes old files
  - Real time recording stats to help manage files
- Search and Playback
  - Navigation timeline provides a quick visual reference to the recorded content
  - Search continuous recordings by motion
  - Search recordings by motion within a defined field (a portion of the viewing area)
  - Time lapse playback search
- Map cameras on an image such as a floor plan
- Map cameras on Google Maps™

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## SPECIFICATIONS

| CAMERA | |
|---|---|
| **General** | • Sensor: 1/4" CMOS Sensor<br>• Board Lens<br>• Focal Length: 4 mm<br>• F/No: 1.5<br>• Minimum illumination: 0 lux<br>• Focus Depth: 20 cm ~ infinity<br>• View:<br>  • Horizontal: 51.8°<br>  • Vertical: 33.8°<br>  • Diagonal: 59.6°<br>• Digital Zoom: 4x |
| **Audio** | • Built-in omni-directional microphone<br>• Sensitivity: -40 dB +/- 3 dB (5 meters max)<br>• Frequency: 100~20000 Hz<br>• S/N: >60 dB<br>• Format: PCM / ADPCM<br>• External speaker output (speaker sold separately)<br>• Two-way audio with echo canceling |
| **Pan & Tilt** | • Pan: -170° ~ +170°<br>• Tilt: up 90°and down 25°<br>• Auto-Patrol preset positions: 10 |
| **Day / Night** | • Built-in ICR<br>• Night vision (IR) supports up to 7.5 meters* |
| **HARDWARE** | |
| **Network** | • IEEE 802.3u 10/100 Mbps Auto-MDIX Fast Ethernet |
| **LED** | • Power, Link/Act |
| **WPS Button** | • Enable WPS connection |
| **Reset Button** | • Reset to factory default |
| **Privacy Button** | • Privacy mode on / off |
| **Power Consumption** | • Max 10.5 Watts |
| **Power** | • Input: 100~240V, 50/60 Hz, 0.5A<br>• Output: 12V, 1.25A external power adapter |
| **Dimension** | • 113 x 113 x 130 mm (4.5 x 4.5 x 5.1 in.) |
| **Weight** | • 515 g (1.13 lbs.) |
| **Temperature** | • Operating: 0°C ~ 40°C (32°F ~ 104°F)<br>• Storage: -25°C ~ 70°C (-13°F ~ 158°F) |
| **Humidity** | • Max 90% (non-condensing) |
| **Certifications** | • CE, FCC |
| **REQUIREMENT** | |
| **Management Interface** | • Internet Explorer 7.0 or above<br>• Firefox, Safari, and Chrome |
| **To Run software** | • Windows 7 (32/64-bit), Vista (32/64-bit), XP (32/64-bit)<br>• Windows Server 2003, 2008 |
| **SecurView Pro Software** | • Channel: supports up to 32 cameras<br>• Record / Playback / Motion Detection / Audio |

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## SPECIFICATIONS

| REQUIREMENT | |
|---|---|
| **Network Protocols** | • IPv4, ARP, TCP, UDP, ICMP<br>• DHCP Client, NTP Client, DNS Client, DDNS Client, SMTP Client, FTP Client<br>• HTTP<br>• Samba Client<br>• PPPoE<br>• UPnP<br>• LLTD<br>• RTP (Real Time Protocol)<br>• RTCP (Real Time Control Protocol)<br>• RTSP (Real Time Streaming Protocol)<br>• 3GPP (video only) |
| **WIRELESS** | |
| **Standard** | • IEEE 802.11b, IEEE 802.11g, and IEEE 802.11n |
| **Frequency** | • 2.4 ~ 2.483 GHz ISM band |
| **Antenna** | • 1 x detachable 2 dBi dipole antenna (Reverse-SMA connector) |
| **Date Rate** | • 802.11b: up to 11 Mbps<br>• 802.11g: up to 54 Mbps<br>• 802.11n: up to 150 Mbps |
| **Security** | • 64/128-bit WEP, WPA / WPA2-PSK |
| **Output Power** | • 802.11b: 17 dBm (typical)<br>• 802.11g: 15 dBm (typical)<br>• 802.11n: 14 dBm (typical) |
| **Receiving Sensitivity** | • 802.11b: -88 dBm at 11 Mbps<br>• 802.11g: -74 dBm at 54 Mbps<br>• 802.11n: -68 dBm at 150 Mbps |
| **Channels** | • 1~11 (FCC), 1~13(ETSI) |
| **MANAGEMENT** | |
| **System** | • Web based administration |
| **Access** | • Up to 20 user accounts |
| **Backup / Restore** | • Save / retrieve configuration files |
| **Log** | • System log up to 500 entries |
| **Micro SD** | • View, download, delete files<br>• Format and remove Micro SD card |

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## SPECIFICATIONS

| SETTINGS | |
|---|---|
| **Image** | • Brightness, contrast, saturation, sharpness, white balance, flip, mirror (horizontal / vertical), black & white, indoor, outdoor, schedule mode<br>• Shutter: 1/3.25s, 1/7.5s, 1/10s, and 1/15s |
| **Video Setting** | • Profile 1: H.264 / MPEG-4<br>  • Resolution: 1280 x 800, 640 x 400, 320 x 192, 160 x 96<br>  • Max frame rate: 30fps<br>• Profile 2: H.264 / MPEG-4<br>  • Resolution: 640 x 400, 320 x 192, 160 x 96<br>  • Max frame rate: 30fps<br>• Profile 3: MJPEG<br>  • Resolution: 1280 x 800, 640 x 400, 320 x 192, 160 x 96<br>  • Max frame rate: 1280 x 800 @ 5fps, 640 x 400 / 320 x 192 @ 30fps<br>  • JPEG quality: Low, Fair, Standard, Good, Excellent<br>• Profile 4: H.264 / MPEG-4<br>  • Resolution: 640 x 400, 320 x 192, 160 x 96<br>  • Max frame rate: 30fps<br>  • RTSP: http://ipcamera_ip/3gpp |
| **3GPP** | • Audio format: AMR<br>• Video format: MPEG-4<br>• Protocols: RTSP, RTP, RTCP |
| **Recording** | • Resolution: Define individual resolution for up to 4 profiles<br>• Required storage: 32 MB (minimum per profile)<br>• Recording type: event based (motion detection and digital input trigger), continuous, and scheduled |
| **Event Action** | • Trigger event: motion detection or digital input signal<br>• Action: send real-time snapshot or video recording to FTP or email |
| **Port Settings** | • HTTP port: 80 (default)<br>• RTSP port: 554 (default) |
| **Time** | • Synchronize with NTP server or set time / date manually |

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## NETWORKING SOLUTIONS

## PACKAGE CONTENTS

- TV-IP672WI
- CD-ROM (Utility & User's Guide)
- Multi-Language Quick Installation Guide
- Network cable (1.5 m / 5 ft.)
- Power adapter (12V DC, 1.25A)
- Camera mounting kit

## RELATED PRODUCTS

| | |
|---|---|
| **TV-IP672W** | Megapixel Wireless N PTZ Internet Camera |
| **TV-IP651WI** | Wireless N Day / Night PTZ Internet Camera |
| **TV-IP672PI** | Megapixel PoE Day / Night PTZ Internet Camera |

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